

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☐	Fee ☒

5. State Oil & Gas Lease No.

1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

2. Name of Operator

Union Texas Petroleum Corporation

3. Address of Operator

1860 Lincoln St., Ste 1010, Denver, Colorado 80295

4. Location of Well

UNIT LETTER N LOCATED 1000 FEET FROM THE South LINE AND 1500 FEET FROM

THE West LINE OF SEC. 31 TWP. 32N RGE. 12W NMPM

7. Unit Agreement Name

8. Farm or Lease Name

Culpepper Martin

9. Well No.

5M

10. Field and Pool or Wildcat
Blanco Mesa Verde &
Basin Dakota

12. County

San Juan

15. Date Spudded

7/27/81

16. Date T.D. Reached

8/07/81

17. Date Compl. (Ready to Prod.)

12/12/81

18. Elevations (DF, RKB, RT, GR, etc.)

5820' GL 5822' KB

19. Elev. Casinghead

20. Total Depth

7055'

21. Plug Back T.D.

7001

22. If Multiple Compl., How Many

2

23. Intervals Drilled By

Rotary Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name

4512-4781' Mesaverde

6779-6943' Dakota

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

DIL, FDC, CNL, GR, CAL, SP

27. Was Well Cored

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	40#	324'	13-1/2"	275 SX	None
7-5/8"	26.4#	4,406'	9-7/8"	650 SX	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT
5-1/2"	4,149'	7,051'	250

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	4109	---
2-3/8"	6850'	4,825'

31. Perforation Record (Interval, size and number)

Mesaverde: 4512-19, 54-60, 65-67, 76-80, 4600-08, 59-62, 64-66, 4773-81'.

Dakota: 6779', 89, 92, 6008, 11, 14, 17, 30, 46, 49, 52, 64, 67, 70, 74, 78, 82, 6924, 28, 39, & 43'.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6779-6943' (Dak)	35326 Gal Minimax 330 & 19320 20/40 sand
4512-4781' (Mv)	113820 Gal 1% KCL & 100,000# 10/20 sand

33. PRODUCTION

34. Date First Production		35. Production Method (Flowing, gas lift, pumping - Size and type pump)				36. Well Status (Prod. or Shut-in)	
Waiting on pipeline		Flowing				waiting on pipeline	
37. Date of Test	38. Hours Tested	39. Choke Size	40. Prod'n. For Test Period	41. Oil - Bbl.	42. Gas - MCF	43. Water - Bbl.	44. Gas - Oil Ratio
12/22/81	3	3/4		0	459	0	---
12/29/81	3	3/4		0	300	0	---
45. Flow Tubing Press.	46. Casing Pressure	47. Calculated 24-Hour Rate	48. Oil - Bbl.	49. Gas - MCF	50. Water - Bbl.	51. Oil Gravity - API (Corr.)	
285	600		0	3670	0	---	
176			0	2397	0	---	
52. Disposition of Gas (Sold, used for fuel, vented, etc.)						53. Test Witnessed By	
Flared						Joe Elledge	

34. List of Attachments

Forms C-107, C-104, C-122C, & Packer Leakage Test

35. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

Carly N. Biltmore-Lay

TITLE

Petroleum Engineer

DATE

1/21/1982

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	1317	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	1334	T. Penn. "C" _____
D. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	2133	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	3709	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	3968	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	4526	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	4785	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	5900	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	6664	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	6777	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____		T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____		T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____		T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____		T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____		T. _____
T. Penn. _____	T. _____	T. Permian _____		T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____		T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 4512 _____ to _____ 4781 _____ gas sand	No. 4, from _____ to _____
No. 2, from _____ 6779 _____ to _____ 6943 _____ gas sand	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
1334	2133		Kirtland - Fruitland				
2133	2266		Pictured Cliffs				
2266	3709		Lewis				
3709	3968		Cliffhouse				
3968	4526		Menefee				
4526	4785		Point Lookout				
4785	6597		Mancos				
6597	6664		Greenhorn				
6664	6714		Graneros Shale				
6714	6777		Graneros Sand				
6777	TD		Dakota				

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-29-81			
Company Union Texas Petroleum Corporation				Connection Gas Company of New Mexico					
Pool Basin				Formation Dakota				Unit	
Completion Date 12-12-81		Total Depth 7051		Plug Back TD 7000'		Elevation		Farm or Lease Name Culpepper Martin	
Csg. Size 7.625		Wt. 26.4		Set At 6.968		Perforations: From 6779 To 6943		Well No. 5M	
Tbg. Size 2.375		Wt. 4.7		Set At 1.995		Perforations: From open To Ended		Unit Sec. Twp. Rge. N 31 32 12	
Type Well - Single - Brodenhead - G.C. or G.O. Multiple Gas/Gas dual						Packer Set At 4825		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12 psia (est.)		State New Mexico	
L		H		G _g .650(est.)		% CO ₂		% N ₂	
						% H ₂ S		Prover	
								Meter Run	
								Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
1.	17 days						1710			
2.	2 inch .750			176			176	60°		
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.3650		198	1.000	.9608	1.019	2397
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature °R	Mcf/bbl.	Deg.
1.										XXXXXXX	
2.											
3.											
4.											
5.											

P _c 1722 P _c ² 2965284				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.14463$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.10661$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1.		612	374682	2590602			
2.		calculated					
3.							
4.							
5.							

Absolute Open Flow 2653 Mcfd @ 15.025				Angle of Slope θ		Slope, n 75	
Remarks: Show of oil and a fine mist of water.							

Approved By Division	Conducted By: Joe Elledge	Calculated By: Joe Elledge	Checked By: Tom Belsha
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